Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/09/2015 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125197	0	6.33	125124	6.29
Blue	F	SSC	125000	124120	-1	3.27	124972	2.88
Blue	E	FITC	17224	16864	-3	2.76	951	9.79
Blue	D	PE	22462	22043	-2	2.25	994	9.02
Blue	B	PerCP-Cy5-5	63940	63272	-2	3.16	1668	14.98
Blue	A	PE-Cy7	72480	72089	-1	4.22	938	28.29
Red	C	APC	63778	63108	-2	2.54	3558	7.99
Red	A	APC-Cy7	97254	96894	-1	2.56	1909	7.86
Violet	B	V450	10730	10231	-5	3.96	637	8.94
Violet	A	V500	42147	40556	-4	3.65	2295	6.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18799	35.38	634	14	N/A	N/A	Pass
Blue	F	SSC	61947	1.86	541	14	N/A	N/A	Pass
Blue	E	FITC	103	38.31	546	7	0.0211	178	Pass
Blue	D	PE	204	28.64	540	8	0.1537	233	Pass
Blue	B	PerCP-Cy5-5	200	45.68	628	14	0.0087	31	Pass
Blue	A	PE-Cy7	68	120.62	688	15	0.0116	26	Pass
Red	C	APC	333	26.39	586	2	0.0220	48	Pass
Red	A	APC-Cy7	120	38.39	567	2	0.0049	917	Pass
Violet	B	V450	68	45.96	477	3	0.0384	1954	Pass
Violet	A	V500	149	25.16	507	4	0.0128	662	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.18	-30.91	0.69
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.16
Red	14.09	13.09 - 19.63	N/A	N/A	31.41	31.60	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 9663

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments